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Scientific and Technical Information Center

Access DB# 82485

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if more than one search is subm	itted, please prioritize	e searches in order of need.
include the elected species or structures, k utility of the invention. Define any terms known. Please attach a copy of the covers HETER Title of Invention:	eywords, synonyms, acrony that may have a special mea heet pertinent claims, and a CLI SUISST RUSEAT DE	
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Earliest Priority Filing Date: 2		arent, child, divisional, or issued patent numbers) along with the
appropriate serial number. Here I all the Company of the Company	Now company of the co	Theregodo Resido Argico Resido Arg
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STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: POINT OF CONTACT		STN
Searcher Phone #: PAUL SCHULWITZ TECHNICAL INFO. SPECI	7174 Sequence (#)	Dialog
Searcher Location: CM1 6B06 TEL. (703) 30	5-1964cture (#)	Questel/Orbit
Date Searcher Picked Up: 12/18	Bibliographic	Dr.Link
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Searcher Prep & Review Time:	Fulltext	Sequence Systems
Clerical Prep Time:	Patent Family	WWW/Internet
Online Time:	Other	Other (specify)

PTO-1590 (8-01)

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=> d que 120
        1982978 SEA FILE=REGISTRY ABB=ON PLU=ON NC5/ES OR 197.56/RID OR
                NC2NC2/ES OR 197.58/RID OR NC6/ES OR NC2NC3/ES
        1962391 SEA FILE=REGISTRY ABB=ON PLU=ON L4 AND (SC4-C6 OR NC2NC2 OR
L5
                OC4 OR NC5 OR NCNC3 OR NC5-C6 OR C6-C6 OR NC4-C6 OR NCNC2-C6
                OR OCOC2-C6 OR NOC3-SC4 OR C6 OR N2C3-SC4 OR NOC3-C6 OR
                N2C3-C6 OR OC4-C6 OR NOC3-C6-C6 OR N2C3-NC5 OR NCOC2-C6 OR
                NCNC2-NC5-C6 OR SC4-NC5 OR NSC3-C6)/ES
Lб
                           и @ 9
                                    C @10
                                             Cy @11
                                                     0 = C \sim 0 \sim Ak
                                                     12 @13 14 15
VAR G1=9/10
REP G2=(1-2) C
REP G3=(0-2) C
VAR G4=11/13
NODE ATTRIBUTES:
CONNECT IS E3 RC AT
CONNECT IS E3 RC AT
                      10
CONNECT IS E1 RC AT 15
DEFAULT MLEVEL IS ATOM
GGCAT
      IS LOC AT 15
DEFAULT ECLEVEL IS LIMITED
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15
STEREO ATTRIBUTES: NONE
L8
           3525 SEA FILE=REGISTRY SUB=L5 SSS FUL L6
L9
                           N @9
                                    C @10
                                            CH2-Hy
                                                        Ak√Cb
                                            11 12
                                                        13 14
VAR G1=9/10
REP G2=(1-2) C
REP G3=(0-2) C
VAR G4=11/13
NODE ATTRIBUTES:
```

CONNECT IS E3 RC AT

```
CONNECT IS E3 RC AT 10
CONNECT IS E2 RC AT 13
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY UNS AT 12
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E7 C E2 O AT 12
ECOUNT IS E6 C AT 14
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GRAPH ATTRIBUTES:

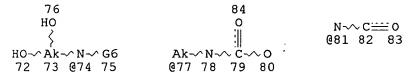
RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 14

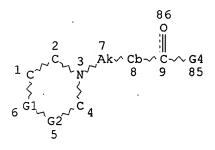
STEREO ATTRIBUTES: NONE

L10 603 SEA FILE=REGISTRY SUB=L5 SSS FUL L9

L11 4128 SEA FILE=REGISTRY ABB=ON PLU=ON L8 OR L10

L18 STR





```
VAR G1=43/44
REP G2=(1-2) C
VAR G4=45/62/49/54/59/65/70/74
REP G5=(0-15) A
VAR G6=77/81
NODE ATTRIBUTES:
CONNECT IS E2 RC AT
                        7
CONNECT IS E1
               RC AT
                       48
CONNECT IS E2
               RC AT
                       53
CONNECT IS E3
               RC AT
                       58
CONNECT IS E1
               RC AT
                       64
CONNECT IS E2
              RC AT
                       69
```

```
CONNECT IS E3 RC AT
CONNECT IS E2
             RC AT
                      78
CONNECT IS E2 RC AT
                      81
DEFAULT MLEVEL IS ATOM
GGCAT
       IS LIN LOC SAT
               LOC
GGCAT
        IS MCY
                    SAT
                          AT
GGCAT
        IS LOC
               ΑT
                    48
GGCAT
        IS LOC
               ΑT
                    53
GGCAT
        IS LOC
               ΑT
                    58
        IS LOC
               ΑT
                    64
GGCAT
       IS LOC
                    69
GGCAT
               AΤ
                    73
GGCAT
       IS LOC AT
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS X2 C AT
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GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 53

STEREO ATTRIBUTES: NONE

L19 2 SEA FILE=REGISTRY SUB=L11 SSS FUL L18
L20 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L19

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L24 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

2002:658095 HCAPLUS

DOCUMENT NUMBER:

137:201331

TITLE:

Preparation of heterocyclic substituted

cycloalkanecarboxamides as dopamine D3 receptor

ligands

INVENTOR(S):

Hendrix, James A.; Hemmerle, Horst; Urmann,

Matthias; Shutske, Gregory; Strupczewski, Joseph T.; Bordeau, Kenneth J.; Jurcak, John G.; Nieduzak, Thaddeus; Jackson, Sharon Anne; Angell, Paul; Fink, David M.; Sabuco, Jean-Francois; Chiang, Yulin;

Collar, Nicola

PATENT ASSIGNEE(S):

Aventis Pharmaceuticals Inc., USA; Carey, James P.;

Lee, George E.

SOURCE:

PCT Int. Appl., 392 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PAT	ENT	NO.		KI	ND.	DATE			A	PPLI	CATI	ои ис	ο.	DATE			
WO	2002	0664	46	A.	1	2002	0829		W	20	02-U	S471	3	2002	0215	<	
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		CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
		HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,
		LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,	RU,
		SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,
		YU,	ZA,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,	RU,	ТJ,	TM				
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,

GB 2001-17577

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG PRIORITY APPLN. INFO.: US 2001-269672P P 20010216 A 20010719 <--

OTHER SOURCE(S): MARPAT 137:201331

The title compds. [I; A = CH, N; n = 1-2; when n = 1, yr = 0 or 2; when n= 2, yr = 0; g = 1-2; R3 = H, alkyl, (CH2)wPh; w = 1-3; R = 1(un)substituted benzothienyl, pyrazinyl, pyridyl, etc.; BCO = (CR19C20)dCO, II, III, etc.; R19, R20 = H, OH, alkyl; R21-R23 = H, alkyl; d = 3-4; R1 = H, alkyl, etc.; R2 = 3-(imidazol-1-yl)propyl, trans-4-methylcyclohexyl, trans-4-ethylcyclohexyl, etc.] that display selective binding to dopamine D3 receptors, and therefore are useful in treating central nervous system disorders such as psychotic disorders, substance dependence, substance abuse, dyskinetic disorders (e.g., Parkinson s disease, parkinsonism, neuroleptic-induced tardive dyskinesia, Gilles de la Tourette syndrome and Huntington's disease), dementia, anxiety disorders, sleep disorders, circadian rhythm disorders and mood disorders, were prepd. E.q., a multi-step synthesis of trans/trans-IV was described.. Biol. data for more than 1000 compds. I were given. The subject invention is also directed towards processes for the prepn. of the compds. I as well as methods for making and using the compds. as imaging agents for dopamine D3 receptors.

453559-44-9P 453559-45-0P ΙT

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of heterocyclic substituted cycloalkanecarboxamides as dopamine D3 receptor ligands)

453559-44-9 HCAPLUS RN

CN Cyclopropanecarboxamide, 2-[[3-(1H-indazol-3-yl)-8-azabicyclo[3.2.1]oct-8yl]methyl]-N-(trans-4-methylcyclohexyl)-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 453559-45-0 HCAPLUS

Cyclopropanecarboxamide, N-(trans-4-ethylcyclohexyl)-2-[[3-(6-fluoro-1H-CN indazol-3-yl)-8-azabicyclo[3.2.1]oct-8-yl]methyl]-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

REFERENCE COUNT:

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT